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NEWS 9 MAR 03 MEDLINE file segment of TOXCENTER reloaded
                KOREAPAT now updated monthly; patent information enhanced
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2670 L1 AND L2

L4

=> s 13 and 14

L5 845 L3 AND L4

=> s method? or process? 2563946 METHOD? 2453106 PROCESS?

3031833 METHOD? OR PROCESS? L6

=> s 15 and 16

842 L5 AND L6 L7

=> s substrate?

664407 SUBSTRATE?

=> s 17 and 18

496 L7 AND L8

=> s predict?

L10 239965 PREDICT?

=> s 19 and 110

258 L9 AND L10 L11

=> s UVA

L12 3543 UVA

=> s 111 and 112

19 L11 AND L12 L13

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L13 ANSWER 1 OF 19 USPATFULL on STN

ACCESSION NUMBER: 2005:63801 USPATFULL

Proteases producing an altered immunological response TITLE:

and methods of making and using the same

Estell, David A, San Mateo, CA, UNITED STATES INVENTOR(S):

Harding, Fiona A., Santa Clara, CA, UNITED STATES Poulose, Ayrookaran J., Belmont, CA, UNITED STATES

KIND DATE NUMBER \_\_\_\_\_\_ US 2005054843 A1 20050310 US 2004-498694 A1 20040614 WO 2002-US41201 20021220 PATENT INFORMATION: 20040614

APPLICATION INFO.: (10)

> WO 2002-US41201 20021220

NUMBER DATE \_\_\_\_\_\_

PRIORITY INFORMATION: US 2001-344657P 20011231 (60)

DOCUMENT TYPE: Utility FILE SEGMENT: APPLICATION

Kamrin T MacKnight, Genencor International Inc, 925 LEGAL REPRESENTATIVE:

Page Mill Road, Palo Alto, CA, 94304

NUMBER OF CLAIMS: EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 6 Drawing Page(s)

LINE COUNT: 3283

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

The present invention provides novel protein variants that exhibit reduced immunogenic responses, as compared to the parental proteins. The present invention further provides DNA molecules that encode novel variants, host cells comprising DNA encoding novel variants, as well as

methods for making proteins less allergenic. In addition, the present invention provides various compositions that comprise these proteins that are less immunogenic than the wild-type proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 2 OF 19 USPATFULL on STN

ACCESSION NUMBER: 2005:30297 USPATFULL

TITLE: Natural sunlight photostable composition

INVENTOR(S): Lott, Dennis Lee, Flagler Beach, FL, UNITED STATES

PATENT INFORMATION: US 2005025727 A1 20050203 APPLICATION INFO.: US 2004-887464 A1 20040708 (10)

NUMBER DATE

PRIORITY INFORMATION: US 2003-486194P 20030711 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: Louis C. Paul, Esq., Cohen Tauber Spievack & Wagner,

LLP, 420 Lexington Avenue, Suite 2400, New York, NY,

10170

NUMBER OF CLAIMS: 36
EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 1 Drawing Page(s)

LINE COUNT: 857

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

The present invention relates to photostable compositions that provide protection from ultraviolet radiation ("UVR"). The invention particularly relates to the sunscreens avobenzone, octocrylene and oxybenzone, forming a triplet sunscreen combination.

Compositions of the present invention are generally substantially free of substantial amounts of other sunscreens. The triplet combination surprisingly provides and substantially maintains the initial SPF value of the sunscreen composition throughout the period of UVR exposure. Compositions of the invention are photostable such that each of sunscreen active in the triplet combination does not appreciably photodegrade. The present invention accurately communicates the amount of UVR photoprotection actually provided in natural sunlight and minimizes the amount of potential harmful free radicals formed as byproducts of photodegradation.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 3 OF 19 USPATFULL on STN

ACCESSION NUMBER: 2004:280384 USPATFULL TITLE: In vitro prediction of sunscreen PFA values

INVENTOR(S): Dueva-Koganov, Olga V., White Plains, NY, UNITED STATES

SaNogueira, James P., Suffern, NY, UNITED STATES Romanoschi, Ovidiu, Edison, NJ, UNITED STATES Donovan, Barbara, Wayne, NJ, UNITED STATES

PATENT ASSIGNEE(S): Playtex Products, Inc. (U.S. corporation)

NUMBER DATE \_\_\_\_\_\_ US 2003-447092P 20030213 (60) PRIORITY INFORMATION: US 2003-506833P 20030929 (60) DOCUMENT TYPE: Utility

APPLICATION FILE SEGMENT:

Charles N.J. Ruggiero, Esq., Ohlandt, Greeley, Ruggiero LEGAL REPRESENTATIVE:

& Perle, L.L.P., 10th Floor, One Landmark Square,

Stamford, CT, 06901-2682

NUMBER OF CLAIMS: 1 EXEMPLARY CLAIM:

NUMBER OF DRAWINGS: 4 Drawing Page(s)

LINE COUNT: 339

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

An in vitro method for the prediction of in vivo UVA protection by a composition with sunscreen properties. The method includes the steps of: determining in

vivo SPF; determining in vitro SPF based

on the sunscreen's absorbance spectrum in the UV

region; normalizing the absorbence spectrum based on integration area of

UVA1; and calculating the PFA-PPD in vitro

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 4 OF 19 USPATFULL on STN

ACCESSION NUMBER: 2004:121090 USPATFULL

Compositions and methods for treating TITLE:

conditions responsive to estrogen

Thompson, David D., Gales Ferry, CT, UNITED STATES INVENTOR(S):

Lee, Andrew G., Old Tyme, CT, UNITED STATES Day, Wesley W., Old Tyme, CT, UNITED STATES Rosati, Robert L., Stonington, CT, UNITED STATES

Pfizer Inc (U.S. corporation) PATENT ASSIGNEE(S):

NUMBER KIND DATE \_\_\_\_\_ PATENT INFORMATION:

US 2004092506 A1 20040513 US 2003-652186 A1 20030829 (10) APPLICATION INFO.:

Division of Ser. No. US 2001-758778, filed on 11 Jan RELATED APPLN. INFO.:

2001, GRANTED, Pat. No. US 6632834

NUMBER DATE

US 2000-175752P 20000112 (60) PRIORITY INFORMATION:

Utility DOCUMENT TYPE: APPLICATION FILE SEGMENT:

PFIZER INC., PATENT DEPARTMENT, MS8260-1611, EASTERN LEGAL REPRESENTATIVE:

POINT ROAD, GROTON, CT, 06340

NUMBER OF CLAIMS: 31 EXEMPLARY CLAIM:

NUMBER OF DRAWINGS: 1 Drawing Page(s)

2385 LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

This invention relates to methods, pharmaceutical compositions and kits useful in treating conditions responsive to estrogen by the administration of estrogen agonists/antagonists. Conditions responsive to the compositions and methods include rheumatoid arthritis, colon cancer, tissue wounds, skin wrinkles and cataracts. The compositions are comprised of an estrogen agonist/antagonist and a pharmaceutically acceptable vehicle, carrier or diluent. The

compositions and methods of treatment are effective while substantially reducing the concomitant liability of adverse effects associated with estrogen administration.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 5 OF 19 USPATFULL on STN

ACCESSION NUMBER:

2003:276359 USPATFULL

TITLE:

Methods of making and selling a

sunscreen composition

INVENTOR(S):

Bonda, Craig A., Winfield, IL, UNITED STATES

PATENT ASSIGNEE(S):

The C.P. Hall Company (U.S. corporation)

	NUMBER	KIND	DATE	
		<del>-</del>		
PATENT INFORMATION:	US 2003194384	A1	20031016	
	us 67702 <b>7</b> 0	B2	20040803	
APPLICATION INFO.:	US 2002-105990	A1	20020325	

RELATED APPLN. INFO.:

US 2002-105990 A1 20020325 (10)

Continuation-in-part of Ser. No. US 2002-92132, filed

on 5 Mar 2002, GRANTED, Pat. No. US 6485713

Continuation-in-part of Ser. No. US 2002-92131, filed

on 5 Mar 2002, GRANTED, Pat. No. US 6537529

DOCUMENT TYPE: Utility FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE:

MARSHALL, GERSTEIN & BORUN, 6300 SEARS TOWER, 233 SOUTH

WACKER, CHICAGO, IL, 60606-6357

NUMBER OF CLAIMS: 20 EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS:

4 Drawing Page(s)

LINE COUNT:

1635

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

A method of preparing a sunscreen including a

solvent system and a filter system, the method including the step of controlling the polarity of the solvent system to control the rate of photodecay of the filter system, as well as sunscreen

compositions and compounds for producing sunscreen compositions, are disclosed. A method of selling a

cosmetically-acceptable sunscreen composition is disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 6 OF 19 USPATFULL on STN

ACCESSION NUMBER:

2003:225228 USPATFULL

TITLE:

Method for determination of realistic

UV protection factors or broad spectrum indices

Ferrero, Louis, Nice, FRANCE INVENTOR(S): Pissavini, Marc, Nice, FRANCE

Zastrow, Leonhard, Monaco, MONACO

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2003157039	A1	20030821	
APPLICATION INFO.:	US 6820014 US 2002-323088	B2 A1	20041116 20021218	(10)

NUMBER	DATE		

PRIORITY INFORMATION:

DE 2001-164469 20011220

DOCUMENT TYPE: Utility FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE:

Stephan A. Pendorf, Pendorf & Cutliff, P.O Box 20445,

Tampa, FL, 33622-0445

NUMBER OF CLAIMS: 10 EXEMPLARY CLAIM:

NUMBER OF DRAWINGS:

4 Drawing Page(s) LINE COUNT: 551

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

The invention relates to a new method for determination of realistic UV protection factors or bread spectrum indices of a

sunscreen preparation. Realistic UV protection factors

are calculable by determination of the theoretical and the experimental

uv absorbances of known uv filters in wavelength steps of about 5 nm in the range of 290-400 nm from a definite basic formulation (emulsion, gel etc.) and on a transparent substrate and introducing of the values in a mathematical model. These factors are in conformity with values measured in vivo. The number of the experiments for developing new formulations are significant reduced because only basic formulation, kind and concentration of the filters have to enter.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 7 OF 19 USPATFULL on STN

2003:81440 USPATFULL ACCESSION NUMBER:

Sunscreen compositions and methods TITLE:

and materials for producing the same

Bonda, Craig A., Winfield, IL, United States INVENTOR(S):

The C.P. Hall Company, Chicago, IL, United States (U.S. PATENT ASSIGNEE(S):

corporation)

NUMBER KIND DATE \_\_\_\_\_\_

US 6537529 . B1 20030325 PATENT INFORMATION:

20020305 (10) APPLICATION INFO.: US 2002-92131

DOCUMENT TYPE: Utility GRANTED FILE SEGMENT:

Dodson, Shelley A. PRIMARY EXAMINER:

Marshall, Gerstein & Borun LEGAL REPRESENTATIVE:

NUMBER OF CLAIMS: 14 EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 6 Drawing Figure(s); 6 Drawing Page(s)

LINE COUNT: 1423

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

A method of preparing a sunscreen including a

solvent system and a filter system, the method including the step of controlling the polarity of the solvent system to control the rate of photodecay of the filter system, as well as sunscreen

compositions and compounds for producing sunscreen

compositions, are disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 8 OF 19 USPATFULL on STN

ACCESSION NUMBER: 2003:81439 USPATFULL

Skin lightening compositions TITLE:

Kvalnes, Kalla Lynn, West Chester, OH, United States INVENTOR(S):

DeLong, Mitchell Anthony, West Chester, OH, United

Bradbury, Barton James, West Chester, OH, United States Motley, Curtis Bobby, West Chester, OH, United States Carter, John David, Cincinnati, OH, United States

Children's Hospital Medical Center, Cincinnati, OH, PATENT ASSIGNEE(S):

United States (U.S. corporation)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1995-390152, filed on 24

Feb 1995, now patented, Pat. No. US 6068834

Continuation-in-part of Ser. No. US 1994-206573, filed

on 4 Mar 1994, now abandoned

DOCUMENT TYPE: Utility FILE SEGMENT: GRANTED

PRIMARY EXAMINER: Travers, Russell ASSISTANT EXAMINER: Sharareh, Shahnam

LEGAL REPRESENTATIVE: White, Loy M., Goldstein, Steven J.

NUMBER OF CLAIMS: 12 EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)

LINE COUNT: 1912

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to compositions, compounds, and **methods** for lightening skin, using active compounds having the general

structure: ##STR1##

wherein each X is halo; m is 1 to 4; each R' and R" is independently selected from hydrogen, halo, C.sub.1-C.sub.10 alkyl, substituted C.sub.1-C.sub.10 alkyl, substituted or unsubstituted phenyl, substituted or unsubstituted naphthyl, OR, OCOR, OCRROR, COR, CR(OR)OR, CONRR, COOR, CRROR, CN, SR, and NRR; each R is selected from hydrogen, C.sub.1-C.sub.10 alkyl, substituted C.sub.1-C.sub.10 alkyl, substituted or unsubstituted phenyl, and substituted or unsubstituted naphthyl; n is 1 to 5; Z is 0; in an amount effective to lighten skin; and a pharmaceutically-acceptable carrier therefor.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 9 OF 19 USPATFULL on STN

ACCESSION NUMBER: 2002:310621 USPATFULL

TITLE: Sunscreen compositions and methods and materials for producing the same

INVENTOR(S): Bonda, Craig A., Winfield, IL, United States

Shah, Urvil B., Mokena, IL, United States

Mcmillin, Robert J., Oak Lawn, IL, United States

Roth, Magda M., Homewood, IL, United States
PATENT ASSIGNEE(S): The C. P. Hall Company, Chicago, IL, United States

/II C corneration

(U.S. corporation)

PATENT INFORMATION: US 6485713 B1 20021126 APPLICATION INFO.: US 2002-92132 20020305 (10)

DOCUMENT TYPE: Utility FILE SEGMENT: GRANTED

PRIMARY EXAMINER: Dodson, Shelley A.

LEGAL REPRESENTATIVE: Marshall, Gerstein & Borun

NUMBER OF CLAIMS: 69 EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 6 Drawing Figure(s); 3 Drawing Page(s)

LINE COUNT: 1768

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of preparing a sunscreen including a

solvent system and a filter system, the **method** including the step of controlling the polarity of the solvent system to control the rate of photodecay of the filter system, as well as **sunscreen** compositions and compounds for producing **sunscreen** compositions, are disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 10 OF 19 USPATFULL on STN

ACCESSION NUMBER: 2002:300845 USPATFULL

TITLE:

Topical cosmetic composition

INVENTOR(S):

Borchert, Stefan, Berlin, GERMANY, FEDERAL REPUBLIC OF

Petersen, Rolf-Dieter, Berlin, GERMANY, FEDERAL

REPUBLIC OF

NUMBER DATE
----N: EP 2001-104601 20010223

PRIORITY INFORMATION:
DOCUMENT TYPE:

Utility APPLICATION

FILE SEGMENT:

LEGAL REPRESENTATIVE: FISH & NEAVE, 1251 AVENUE OF THE AMERICAS, 50TH FLOOR,

NEW YORK, NY, 10020-1105

NUMBER OF CLAIMS:

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 6 Drawing Page(s)

LINE COUNT:

778

17

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

The invention relates to cosmetic compositions for topical application for counteracting UV radiation induced skin damage comprising as active substances a first component which comprises inactivated bacteria selected from the group consisting of the genus Bifidobacterium, Actinomycetaceae, Propionimycetaceae, Lactobacillaceae and Coryneform bacteria and a second component which comprises an extract of plant extracellular matrix. Preferably, the plant extracellular matrix is selected from the group consisting of glycoproteins, carbohydrate polymers and arabinogalactan proteins. Processes for using the cosmetic compositions are also described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 11 OF 19 USPATFULL on STN

ACCESSION NUMBER: 2002:92727 USPATFULL

TITLE: Use of creatine or creatine compounds for skin

preservation

INVENTOR(S): Kaddurah-Daouk, Rima, Belmont, MA, UNITED STATES

RELATED APPLN. INFO.: Continuation of Ser. No. US 1999-344427, filed on 25

Jun 1999, GRANTED, Pat. No. US 6242491

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: LAHIVE & COCKFIELD, 28 STATE STREET, BOSTON, MA, 02109

NUMBER OF CLAIMS: 67 EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 4 Drawing Page(s)

LINE COUNT: 1903

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

The present invention relates to the use of creatine compounds such as, for example, creatine, creatine phosphate or analogs of creatine, such as creatine-pyruvate, creatine-ascorbate, cyclocreatine, 3 guanidinopropionic acid, guanidinoacetate, homocyclocreatine, guanidino benzoates as energy generating systems and antioxidants for preservation of skin against adverse aging effects and damage secondary to insults such as harmful sun radiations, stress and fatigue. The creatine compounds which can be used in the present method include (1) creatine, creatine phosphate and analogs of these compounds which can act as substrates or substrate analogs for creatine kinase; (2) molecules that mimic the biological activity of creatine (3) molecules that modulate the creatine kinase system.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 12 OF 19 USPATFULL on STN

ACCESSION NUMBER: 2001:205925 USPATFULL

TITLE: Compositions and methods for treating

conditions responsive to estrogen

INVENTOR(S): Thompson, David D., Gales Ferry, CT, United States

Lee, Andrew G., Old Lyme, CT, United States Day, Wesely W., Old Lyme, CT, United States Rosati, Robert L., Stonington, CT, United States

NUMBER DATE

PRIORITY INFORMATION: US 2000-175752P 20000112 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: Gregg C. Benson, Pfizer Inc., Patent Department, MS

4159, Eastern Point Road, Groton, CT, 06340

NUMBER OF CLAIMS: 31 EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 1 Drawing Page(s)

LINE COUNT: 2385

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

This invention relates to methods, pharmaceutical compositions and kits useful in treating conditions responsive to estrogen by the administration of estrogen agonists/antagonists. Conditions responsive to the compositions and methods include rheumatoid arthritis, colon cancer, tissue wounds, skin wrinkles and cataracts. The compositions are comprised of an estrogen agonist/antagonist and a pharmaceutically acceptable vehicle, carrier or diluent. The compositions and methods of treatment are effective while substantially reducing the concomitant liability of adverse effects associated with estrogen administration.

L13 ANSWER 13 OF 19 USPATFULL on STN

ACCESSION NUMBER: 2001:82816 USPATFULL

Use of creatine or creatine compounds for skin TITLE:

preservation

Kaddurah-Daouk, Rima, 4 Ross Rd., Belmont, MA, United INVENTOR(S):

States 02178

NUMBER KIND DATE \_\_\_\_\_

PATENT INFORMATION:
APPLICATION INFO.: US 6242491 B1 20010605 US 1999-344427 19990625 (9)

DOCUMENT TYPE: Utility FILE SEGMENT: Granted

PRIMARY EXAMINER: Jarvis, William R. A. ASSISTANT EXAMINER: Kim, Vickie

LEGAL REPRESENTATIVE: Lahive & Cockfield, LLP, Hanley, Esq., Elizabeth A.

NUMBER OF CLAIMS: 32 EXEMPLARY CLAIM:

NUMBER OF DRAWINGS: 4 Drawing Figure(s); 3 Drawing Page(s)

1850 LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

The present invention relates to the use of creatine compounds such as, AB for example, creatine, creatine phosphate or analogs of creatine, such as creatine-pyruvate, creatine-ascorbate, cyclocreatine, 3 quanidinopropionic acid, quanidinoacetate, homocyclocreatine, quanidino benzoates as energy generating systems and antioxidants for preservation of skin against adverse aging effects and damage secondary to insults such as harmful sun radiations, stress and fatigue. The creatine compounds which can be used in the present method include (1) creatine, creatine phosphate and analogs of these compounds which can act as substrates or substrate analogs for creatine

kinase; (2) molecules that mimic the biological activity of creatine (3) molecules that modulate the creatine kinase system.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 14 OF 19 USPATFULL on STN

2000:156951 USPATFULL ACCESSION NUMBER:

Cosmetic and cosmeceutical compositions TITLE:

Riklis, deceased, Emanuel, late of Beer-Sheva, Israel INVENTOR(S): Riklis, legal representative, by Ruth, 10 Bar Kochba

Street, 84231 Beer-Sheva, Israel

Riklis, legal representative, by Eran, 10 Nelchet St.,

Tel Aviv 65215, Israel

Oren-Riklis, legal representative, by Liatt, 14 Smats

19990205 PCT 102(e) date

St., Tel Aviv, Israel

Riklis, legal representative, by Eitan, 33 Dam

Hamacabim St., Tel Aviv, Israel

NUMBER KIND DATE \_\_\_\_\_ 20001121 19970509 19990205 (9) PATENT INFORMATION: US 6149896 WO 9716155 US 1999-68080 APPLICATION INFO.: WO 1996-IL135 19961030 19990205 PCT 371 date

NUMBER DATE

PRIORITY INFORMATION: IL 1995-115851 19951102

DOCUMENT TYPE: Utility FILE SEGMENT: Granted

PRIMARY EXAMINER: Dodson, Shelley A.

LEGAL REPRESENTATIVE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.

NUMBER OF CLAIMS: 8 EXEMPLARY CLAIM:

NUMBER OF DRAWINGS: 3 Drawing Figure(s); 3 Drawing Page(s)

LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Cosmetic and cosmeceutical compositions which enhance repair of damage caused to human DNA caused by excessive exposure to sunlight or to other radiation causing such damage. The active ingredients are a synergistic combination of nor-dihydroguiaretic acid (NDGA) and niacinamide. Optional components are propyl gallate or other antioxidants.

Composition may further contain sun-screen additives.

## CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 15 OF 19 USPATFULL on STN

2000:67425 USPATFULL ACCESSION NUMBER:

Skin lightening compositions TITLE:

Kvalnes, Kalla Lynn, West Chester, OH, United States INVENTOR(S):

DeLong, Mitchell Anthony, West Chester, OH, United

Bradbury, Barton James, West Chester, OH, United States Motley, Curtis Bobby, West Chester, OH, United States Carter, John David, Cincinnati, OH, United States

PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United

States (U.S. corporation)

NUMBER KIND DATE \_\_\_\_\_\_

US 6068834 PATENT INFORMATION: 20000530 US 1995-390152 19950224 (8) APPLICATION INFO.:

Continuation-in-part of Ser. No. US 1994-206573, filed RELATED APPLN. INFO.:

on 4 Mar 1994, now abandoned

DOCUMENT TYPE: Utility FILE SEGMENT: Granted

PRIMARY EXAMINER: Venkat, Jyothsan

Hake, Richard A., Henderson, Loretta J., Suter, David LEGAL REPRESENTATIVE:

NUMBER OF CLAIMS: 10 EXEMPLARY CLAIM: 1,7

NUMBER OF DRAWINGS: 1 Drawing Figure(s); 1 Drawing Page(s)

LINE COUNT: 1872

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

This invention relates to compositions, compounds and methods for lightening skin, using active compounds having the structure: ##STR1## wherein: (i) each X is, independently, selected from the group consisting of halo, alkyl, substituted alkyl, aryl, OR, OCOR, COR, CONRR COOR, CN, SR, SOR, SO.sub.2 R, SO.sub.3 R and NRR, wherein X is other than hydroxy, amino and thio, if this X is attached ortho to the phenol hydroxy;

## (ii) m is an integer from 0 to 4;

(iii) each R' and each R" is, independently, selected from the group consisting of hydrogen, halo, alkyl, substituted alkyl, aryl, OR, OCOR, OCRROR, COR, CR(OR)OR, CONRR, COOR, CRROR, CN, SR, and NRR; wherein halo, when it appears, is other than geminal to a hydroxy, NH.sub.2, or SH;

- (iv) R'" is alkyl or substituted alkyl; wherein when R'" is present, wherein when R'" is present and R' is also hydrogen, R" is other than hydrogen, hydroxy, halo, thio, cyano and amino;
- (v) each R is, independently, selected from the group consisting of hydrogen, alkyl, substituted alkyl and aryl;
- (vi) n is an integer from 1 to about 5, wherein at least one carbon in (C)n has other than alkyl or hydroxy as a substituent and (C)n adjacent to Z has other than amino, SH, CN or hydroxy as R';
- (vii) Z is selected from the group consisting of O, NR, S, SO, SO.sub.2, PO.sub.2 R and POR;

(viii) wherein any carbon, when disubstituted, having as one substituent selected from the group consisting of hydroxy, amino, cyano and thiol, has the other substituent selected from the group consisting of hydrogen, alkyl, and aryl, whether this substituent is R' or R";

and to pharmaceutically acceptable salts of these compounds, stereoisomers and enantiomers thereof free from or mixed with other enantiomers or stereoisomers; and such compounds in compositions with a pharmaceutically-acceptable carrier thereof comprising a safe and effective amount of a subject skin lightening active.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 16 OF 19 USPATFULL on STN

ACCESSION NUMBER: 1998:1438 USPATFULL

ACCESSION NUMBER: 1990:1430 USFAITULE

TITLE: Cosmetic composition containing retinol and dioic acid INVENTOR(S): Harding, Clive Roderick, Rushden, United Kingdom

inventor(s): narding, crive Roderick, Rushden, United Kingdom

Lee, Caroline Marian, Ampthill, United Kingdom Scott, Ian Richard, Allendale, NJ, United States

PATENT ASSIGNEE(S): Unilever Patent Holdings B.V., Vlaardingen, Netherlands

(non-U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 5705144 19980106

APPLICATION INFO.: US 1996-614942 19960311 (8)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1993-128024, filed on 29

Sep 1993, now abandoned

NUMBER DATE

PRIORITY INFORMATION: GB 1992-20670 19920930

DOCUMENT TYPE: Utility FILE SEGMENT: Granted

PRIMARY EXAMINER: Ivy, C. Warren ASSISTANT EXAMINER: Huang, Evelyn

LEGAL REPRESENTATIVE: Cushman Darby & Cushman IP Group of Pillsbury Madison &

Sutro LLP

NUMBER OF CLAIMS: 9
EXEMPLARY CLAIM: 1
LINE COUNT: 852

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A composition for topical application to human skin in order to promote the repair of photo-damaged skin and/or to reduce or prevent the damaging effects of ultra-violet light on skin and/or to lighten the skin comprising retinol or a derivative thereof and a dioic acid.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 17 OF 19 USPATFULL on STN

ACCESSION NUMBER: 97:109722 USPATFULL

TITLE: System and method for determining efficacy of

sunscreen formulations

INVENTOR(S): Reece, Barry T., London, England

Rozen, Michael G., Irving, TX, United States Deeds, David A., Dallas, TX, United States Roberts, Dale K., Sanger, TX, United States (4)

PATENT ASSIGNEE(S): Mary Kay Cosmetics, Inc., Dallas, TX, United States

(U.S. corporation)

PATENT INFORMATION: US 5691158 19971125 APPLICATION INFO.: US 1993-137822 19931015 (8)

DOCUMENT TYPE: Utility FILE SEGMENT: Granted

PRIMARY EXAMINER: Chin, Christopher L.

LEGAL REPRESENTATIVE: Akin, Gump, Strauss, Hauer & Feld, L.L.P.

NUMBER OF CLAIMS: 33 EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 7 Drawing Figure(s); 5 Drawing Page(s)

LINE COUNT: 600

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A system and method is disclosed employing a full thickness

skin model for determining minimum sun protection factors (SPFs) of various sunscreen formulations by measuring the release of an

inflammatory mediator in the skin model.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 18 OF 19 USPATFULL on STN

ACCESSION NUMBER: 96:23215 USPATFULL

TITLE: Method and apparatus for measuring

ultraviolet protection effectiveness

INVENTOR(S): Ogawa, Katsuki, Yokohama, Japan

Kumagai, Shigenori, Yokohama, Japan Odagiri, Harumi, Yokohama, Japan

PATENT ASSIGNEE(S): Shiseido Company, Ltd., Tokyo, Japan (non-U.S.

corporation)

NUMBER DATE

PRIORITY INFORMATION: JP 1993-239875 19930927
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted

PRIMARY EXAMINER: Fields, Carolyn E. LEGAL REPRESENTATIVE: Foley & Lardner

NUMBER OF CLAIMS: 15
EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 26 Drawing Figure(s); 25 Drawing Page(s)

LINE COUNT: 872

AB Provisions are made so that an SPF value having high

correlation with an in vivo SPF value can be calculated in vitro using a common calculation equation regardless of the material type used. Transmitted UV intensities  $I(\lambda)$  are corrected by respective erythemal effectiveness coefficients  $EE(\lambda)$  to calculate an erythema-inducing UV intensity EUI, and the elements of  $I(\lambda)$  from  $\lambda=320$  to 400 nm are summed to calculate a transmitted UV-A intensity; then, from the ratio UV-A/EUI, a theoretical value  $\alpha.sub.TH$  is calculated for the base  $\alpha$  of a photoaugmentative effectiveness  $\alpha.sup.$  UVA, and using  $EUI+\alpha.sub.TH.sup.$  UVA, an ultimate theoretical value EUI.sub.UL of EUI is calculated. When EUI.sub.UL is larger than 75, the SPF value is calculated from 1350/EUI.sub.UL; otherwise, the SPF value is calculated using an empirical equation.

L13 ANSWER 19 OF 19 USPATFULL on STN

ACCESSION NUMBER: 93:43987 USPATFULL Cosmetic composition

INVENTOR(S): Nicoll, Gregg A., Dumont, NJ, United States

Scott, Ian R., Wellingborough, England

PATENT ASSIGNEE(S): Chesebrough-Pond's USA Co., Division of Conopco, Inc.,

Greenwich, CT, United States (U.S. corporation)

DISCLAIMER DATE: 20100223

PRIORITY INFORMATION: GB 1990DOCUMENT TYPE: Utility
FILE SEGMENT: Granted

PRIMARY EXAMINER: Page, Thurman K. LEGAL REPRESENTATIVE: Honig, Milton L.

NUMBER OF CLAIMS: 9 EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 1 Drawing Figure(s); 1 Drawing Page(s)

LINE COUNT: 628

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

A composition for tonical application to human skin to provide protection from excessive exposure to ultra-violet rays, comprises:

- a. an effective amount of ultrafine titanium dioxide as an inorganic sunscreen;
- b. an effective amount of octyl methoxycinnamate as an organic sunscreen; and
- c. a cosmetically acceptable vehicle for the sunscreens;

the weight concentration of the titanium dioxide and octyl methoxycinnamate being within the region designated A in the accompanying drawing.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.